

Preliminary Amendment

PCT/JP99/06630
Filed November 29, 1999

REMARKS

Entry and consideration of this Amendment is respectfully requested. The amendment effects the Article 34 amendments entered during the international phase; a translation of the original Article 34 amendment is also attached.

Respectfully submitted,



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APPENDIX

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE TITLE:

Please delete the present title and replace it with the following new title:

Delete “AN ELECTRODE FOR DISCHARGE SURFACE TREATMENT, A METHOD OF MANUFACTURING THE ELECTRODE FOR DISCHARGE SURFACE TREATMENT, AND A DISCHARGE SURFACE TREATMENT METHOD” and insert

--METHOD OF MANUFACTURING AN ELECTRODE FOR DISCHARGE SURFACE TREATMENT--

IN THE SPECIFICATION:

The specification is changed as follows:

Page 1, second paragraph

The present invention relates to improvements in [an electrode for discharge surface treatment, a method of manufacturing the electrode for discharge surface treatment] a method of manufacturing an electrode for discharge surface treatment, and a discharge surface treatment method. This electrode is used in a discharge surface treatment of generating an electric discharge between the electrode and a treatment target material, and forming a hard coat of the material of the electrode or of a matter obtained by reacting the electrode material by discharge energy on the surface of the treatment target material utilizing the energy radiated during the electrical discharge.

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Page 5, first paragraph

It is an object of the present invention to provide [an electrode for discharge surface treatment, a method of manufacturing the electrode for discharge surface treatment, and a discharge surface treatment method] a method of manufacturing an electrode for discharge surface treatment capable of forming a high hardness hard material on a treatment target material even under a high temperature environment.

Pages 5-6, delete paragraphs 2-5 in their entirety (extending into page 6).

Page 6, delete first full paragraph in its entirety.

Page 6, second full paragraph (extending into page 7)

[Moreover, the electrode for discharge surface treatment is formed by adding wax to materials of the electrode, then compression-molding the material added with the wax, heating the compression-molded material at a temperature not less than a temperature of melting the wax and not more than a temperature of decomposing the wax to generate soot, and evaporating and removing the wax]. The method of manufacturing an electrode for discharge surface treatment according to the present invention provides an electrode to be used for a discharge surface treatment of generating an electric discharge between the electrode and a treatment target material and forming a hard coat on a surface of the treatment target material utilizing the energy radiated during the electrical discharge. The electrode is formed by adding wax to materials of the electrode, then compression-molding the material added with the wax, heating the compression-molded material at a temperature not less than a temperature of melting the wax and not more than a temperature of decomposing the wax to generate soot, and evaporating and removing the wax.

Pages 8-9, delete second full paragraph and paragraphs 3-4 in their entirety (page 8, line 14, through page 9, line 2).

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Page 24, first paragraph

As stated so far, [the electrode for discharge surface treatment, the method of manufacturing the electrode for discharge surface treatment, and the discharge surface treatment method] the method of manufacturing the electrode for discharge surface treatment according to the present invention are suited for use in industries associated with the surface treatment which forms a hard coat on the surface of a treatment target material.

IN THE CLAIMS:

Claims 1-5 and 10-12 are canceled.

The claims are amended as follows:

6. (Amended) [The method according to claim 5, wherein said electrode is formed by adding wax to materials of said electrode, then compression-molding the material added with the wax, heating the compression-molded material at a temperature not less than a temperature of melting said wax and not more than a temperature of decomposing said wax to generate soot, and evaporating and removing said wax] A method of manufacturing an electrode for discharge surface treatment, comprising; providing an electrode to be used for a discharge surface treatment by generating an electric discharge between the electrode and a treatment target material and forming a hard coat on a surface of the treatment target material utilizing the energy radiated during the electrical discharge, wherein said electrode is formed by adding wax to materials of said electrode, then compression-molding the wax added material, heating the compression-molded material to a temperature not less than a temperature of melting the wax and not more than a temperature of decomposing the wax to generate soot, and evaporating and removing said wax.